

WHAT IS CLAIMED IS:

1. A data storage device comprising:
 - a card formed of a non-conductive material; and
 - a magnetic strip carried on the card and including a substrate layer and a magnetizable layer encodable to store digital information and the magnetic strip including a surface and the surface including a textured portion having a plurality of spaced bumps on a relatively smooth surface of the magnetic strip.
2. The data storage device of claim 1 wherein the substrate layer includes a surface texture including a plurality of spaced bumps on a portion thereof to form the textured portion of the surface of the magnetic strip.
3. The data storage device of claim 1 wherein the magnetic strip includes a protective layer covering the magnetizable layer and the protective layer includes a surface texture including a plurality of spaced bumps to form the textured portion of the surface of the magnetic strip.
4. The data storage device of claim 3 wherein the protective layer is formed of a diamond-like carbon.
5. The data storage device of claim 1 wherein the substrate layer is formed of a material selected from the group consisting of aluminum, glass or plastic .
6. The data storage device of claim 1 wherein the plurality of spaced bumps on the textured portion of the surface of the magnetic strip are laser formed.

7. The data storage device of claim 1 wherein the plurality of spaced bumps have a relatively uniform size.

8. The data storage device of claim 1 wherein the plurality of bumps are relatively uniformly spaced.

9. The data storage device of claim 1 wherein the magnetic strip includes an active surface and the active surface includes the textured portion including the plurality of spaced bumps.

10. A data storage device comprising:

a card formed of a non-conductive material including a magnetic strip;
and

interfacing means for providing a textured interface for the magnetic strip.

11. The data storage device of claim 10 wherein the magnetic strip includes a textured substrate surface including a plurality of spaced bumps to form the interfacing means for providing the textured interface for the magnetic strip.

12. The data storage device of claim 10 wherein the magnetic strip includes a textured protective layer surface including a plurality of spaced bumps to form the interfacing means for providing the textured interface for the magnetic strip

13. The data storage device of claim 10 wherein a surface of the card includes a textured portion including a plurality of spaced bumps to form the interfacing means for providing the textured interface for the magnetic strip.

14. A data storage device comprising:

a card formed of a non-conductive material; and
a magnetic strip slidably in a body of the card and movable between a retracted position and an extended position and the magnetic strip including a substrate layer and a magnetizable layer encodable to store digital information and the magnetic strip including an interface surface slideable relative to an interface surface of the body of the card and at least one of the interface surfaces of the magnetic strip or the body of the card including a textured portion including a plurality of spaced bumps on a relatively smooth surface portion.

15. The data storage device of claim 14 wherein the magnetic strip includes an active surface and a portion of the active surface includes the textured portion including the plurality of spaced bumps.

16. The data storage device of claim 14 wherein the body of the card includes multiple card layers and a surface of the multiple card layers includes the textured portion including the plurality of spaced bumps.

17. The data storage device of claim 16 wherein the multiple card layers of the body of the card include opposed rails and the textured portion including the plurality of spaced bumps is formed on the opposed rails.

18. A method of fabricating a magnetic storage device comprising steps of:
fabricating a card formed of a non-conductive material including a magnetic strip; and
fabricating a textured surface portion including a plurality of spaced bumps formed in a relatively smooth surface portion on one of the magnetic strip or a body surface of the card.

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19. The method of claim 18 wherein the step of fabricating the textured surface portion including the plurality of spaced bumps comprises the step of:

laser forming the plurality of spaced bumps.

20. The method of claim 18 wherein the magnetic strip includes an active surface and the step of fabricating the textured surface portion including the plurality of spaced bumps comprises the step of:

texturing the active surface of the magnetic strip.

21. The method of claim 18 wherein the magnetic strip includes an active surface slideable along the body surface of the card and the step of fabricating the textured surface portion including the plurality of spaced bumps comprises the step of:

texturing the body surface of the card having the active surface of the magnetic strip slideable therealong.

22. The method of claim 18 wherein the magnetic strip includes a magnetizable layer deposited on a substrate and the step of fabricating the textured surface portion including the plurality of spaced bumps comprises the step of:

texturing a surface portion of the substrate of the magnetic strip prior to depositing the magnetizable layer.